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### Abstract of FR2669193

The invention relates to a machine for separating harvested grapes from their stalks and grading them, of the type essentially comprising a rotating cylindrical grid, with a horizontal or slightly inclined axis, capable of forming a sieve which allows the grapes which have been detached from the bunches to pass through it. A shaft, provided with radial spikes and known as a spiked wheel, rotates inside this cylindrical grid, the said radial spikes being short enough not to entrain the harvested grapes located at the bottom of the grid during their rotation. According to the invention, this grape-separating machine is characterised in that it consists of a plurality of deflectors (4) which are inclined from the inlet towards the outlet of the cylindrical grid (1, 2) and are evenly distributed inside the said grid so as to form a second grid, concentric with the first, which is also driven in rotation and is of a size such that it is located between the first grid and the ends of the radial spikes (6) of the spiked wheel and such that it does not allow the bunches of grapes to pass but leaves a space, between the two grids, which allows the individual grapes detached from the bunches to circulate.

